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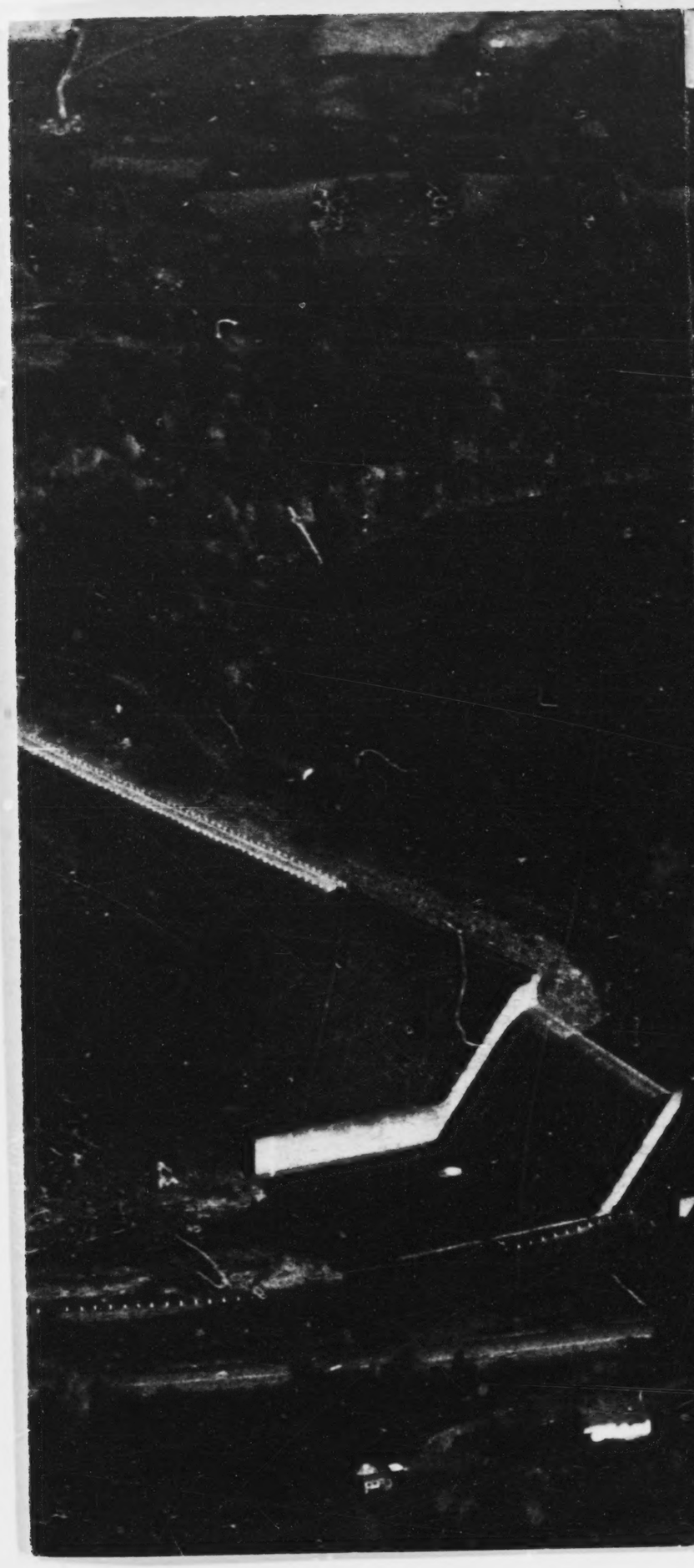
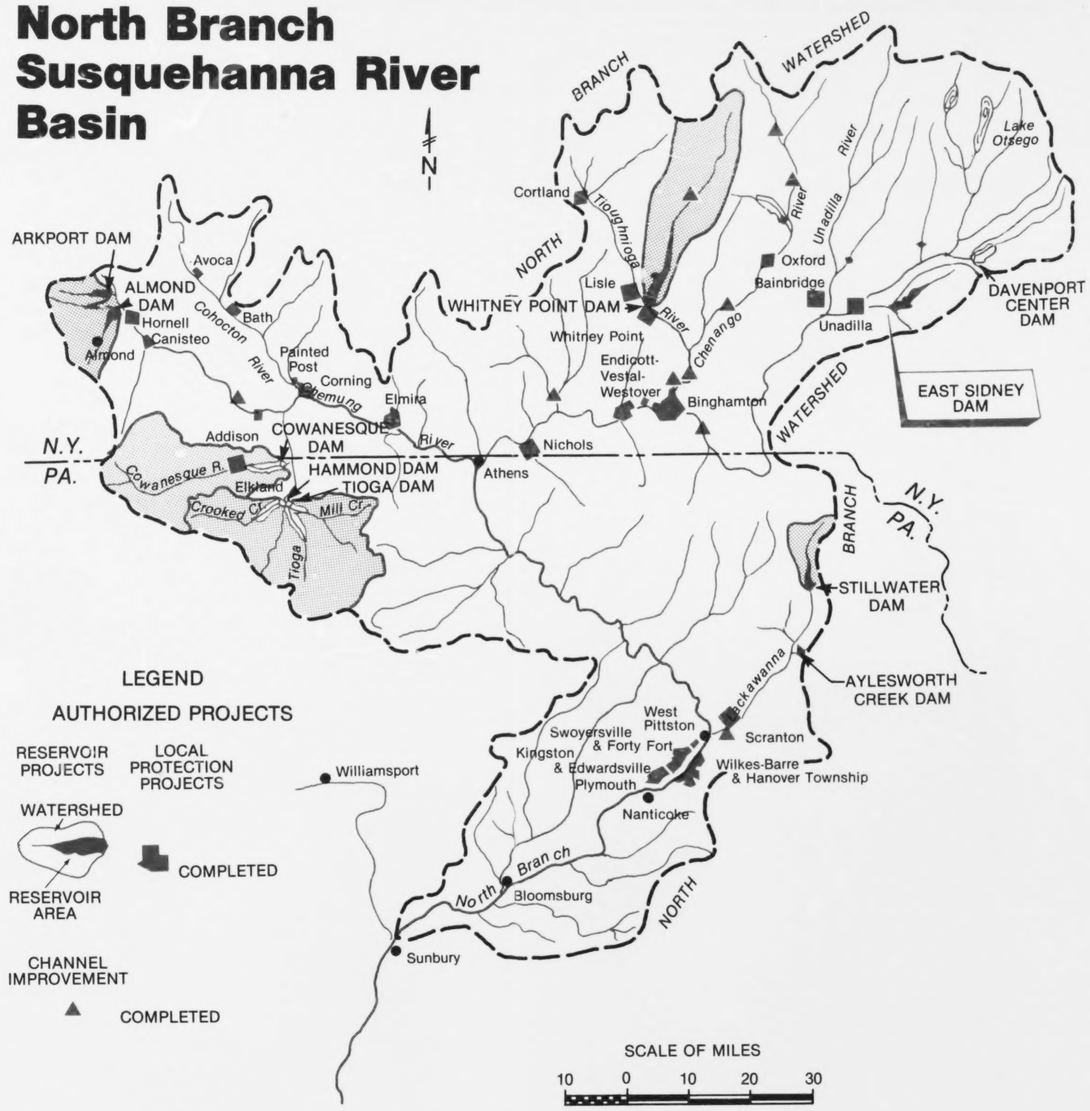


US Army Corps
of Engineers
Baltimore District

East Sidney Lake

D103.2:

East Sidney Lake



Pertinent Data

General

Stream	Ouleout Creek
Drainage area above dam, square miles	102

Dam

Type	Concrete and earthfill
Length of concrete section, feet	750
Length of earthfill, feet	
North abutment	1,140
South abutment	120
Width at top, feet	
Earthfill	25
Concrete section	12
Maximum height above streambed, feet	130

Spillway

Type	Concrete overflow
Length of crest, feet	240
Height of crest above streambed, feet	104.5

Outlet works

Type	Gated conduits
Number of conduits	5
Length of each conduit, feet	105
Number of gates	5
Size of gates and conduits, feet	3.5 × 5.83

Reservoir	Summer Pool	Spillway Crest
Elevation, feet above mean sea level	1,150	1,203
Storage, acre-feet*	3,350	33,550
Area of pool, acres	210	1,100
Length of pool, miles	2.5	5.5

**One acre-foot = 325,851 gallons*

Authorization

East Sidney Lake is one of seven flood control projects authorized by the Flood Control Act of June 1936, and approved by the Chief of Engineers in October 1939. Construction of the dam began in April 1947 and was operationally complete in June 1950. The Federal cost of the project was $5,980,000.

Dam

East Sidney Dam was designed and constructed under the supervision of the U.S. Army Corps of Engineers and consists of a concrete gravity section flanked by two earth-embankment sections, a spillway, outlet works, and a stilling basin. The dam contains and controls the runoff of flood waters from the watershed above the dam. An overlook is provided at the south end of the dam, adjacent to State Hwy. 357.

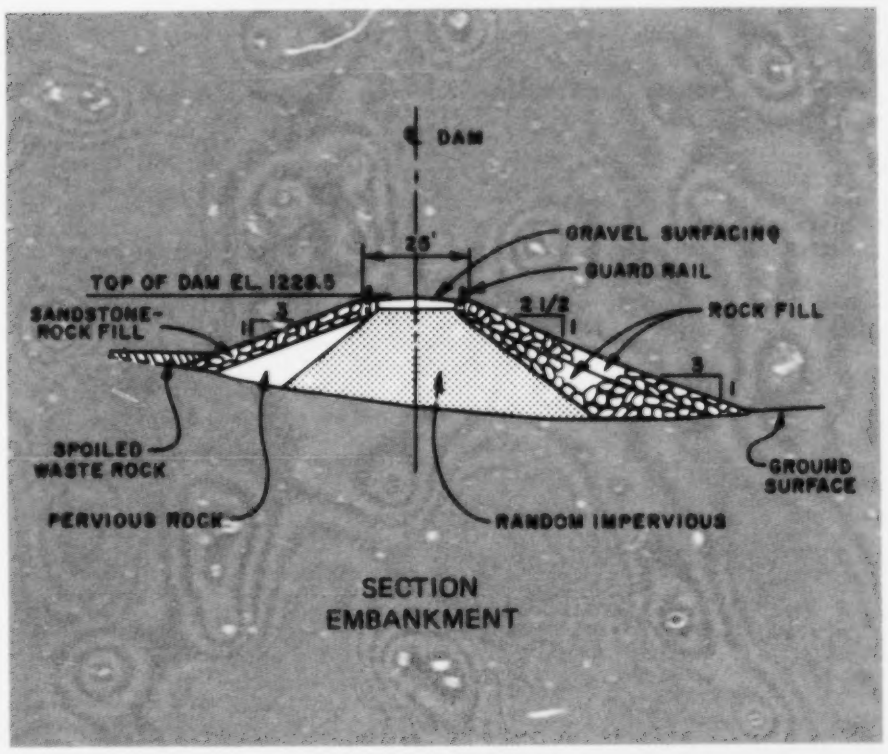
The dam is maintained and operated by the Baltimore District of the Corps of Engineers. A resident dam operator and an a
the clock to regulate t
during flood conditions.

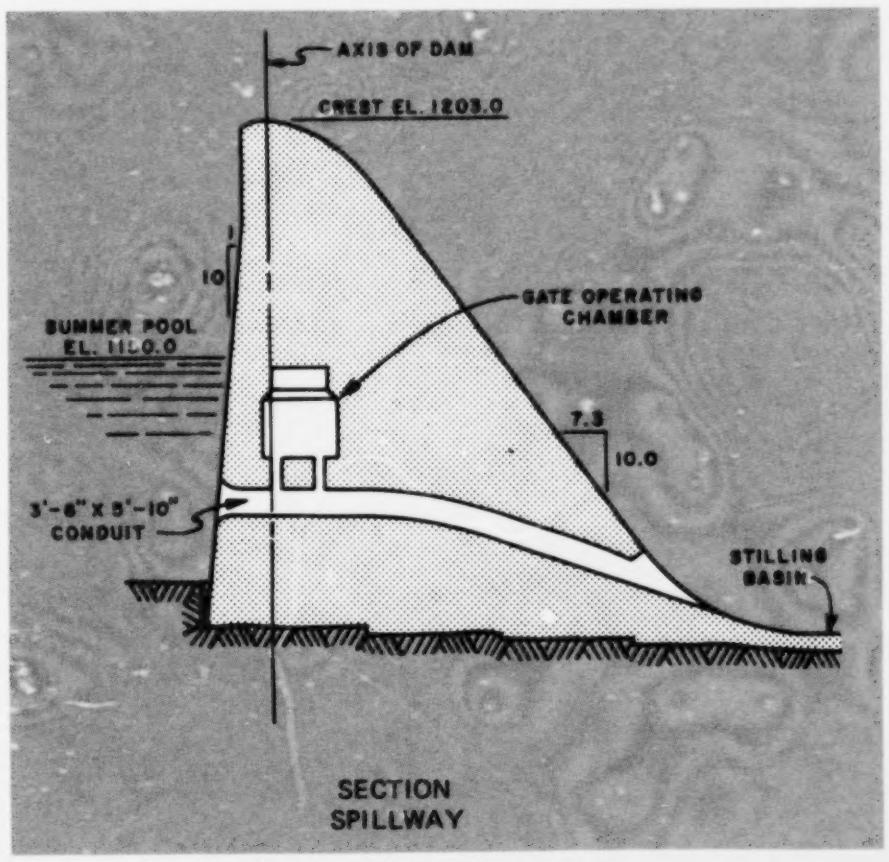
Spillway and O

The spillway is the central portion of the concrete section. The outlet works, within the base of the spillway, control waterflow from the lake through five outlet conduits. Water from the conduits and spillway flows into a stilling basin which dissipates the energy of the flow. Each conduit has a vertical slide gate 25 feet from the upstream face of the spillway.

Flood Control

The purpose of the dam and lake is to control the runoff of flood waters from a 102-square mile drainage area above the dam, furnishing flood protection for the city of Binghamton, N.Y., and communities in southern New York and eastern Pennsylvania.

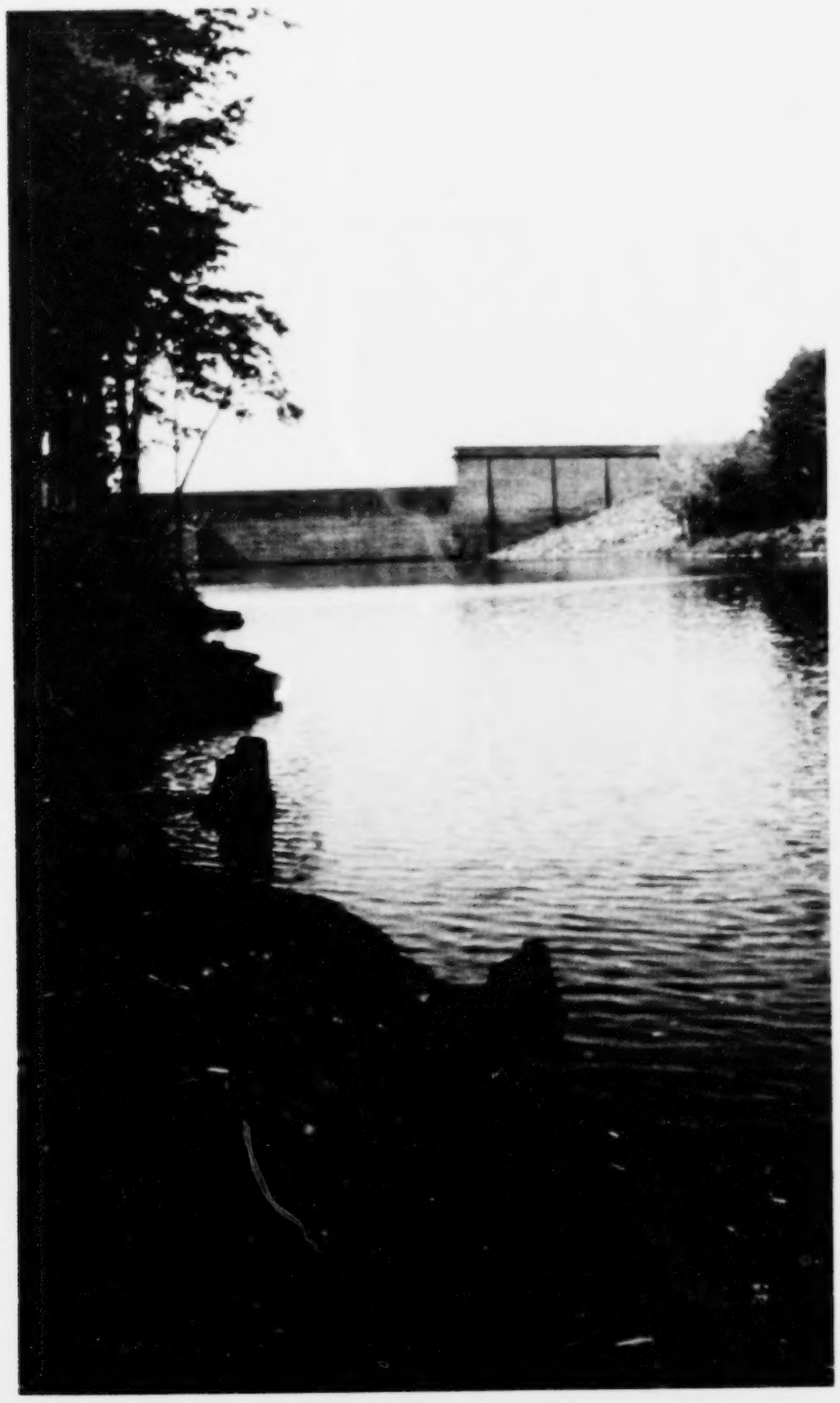




North Branch Basin

The upper portion of the Susquehanna River, commonly called the North Branch, meanders 324 miles from its source at Otsego Lake, N.Y., to Sunbury, Pa., and drains an area of 11,306 sq. mi.

East Sidney Dam is one of six dams now operational. These six, in conjunction with other control projects that are local in nature, provide substantial flood protection throughout the basin.



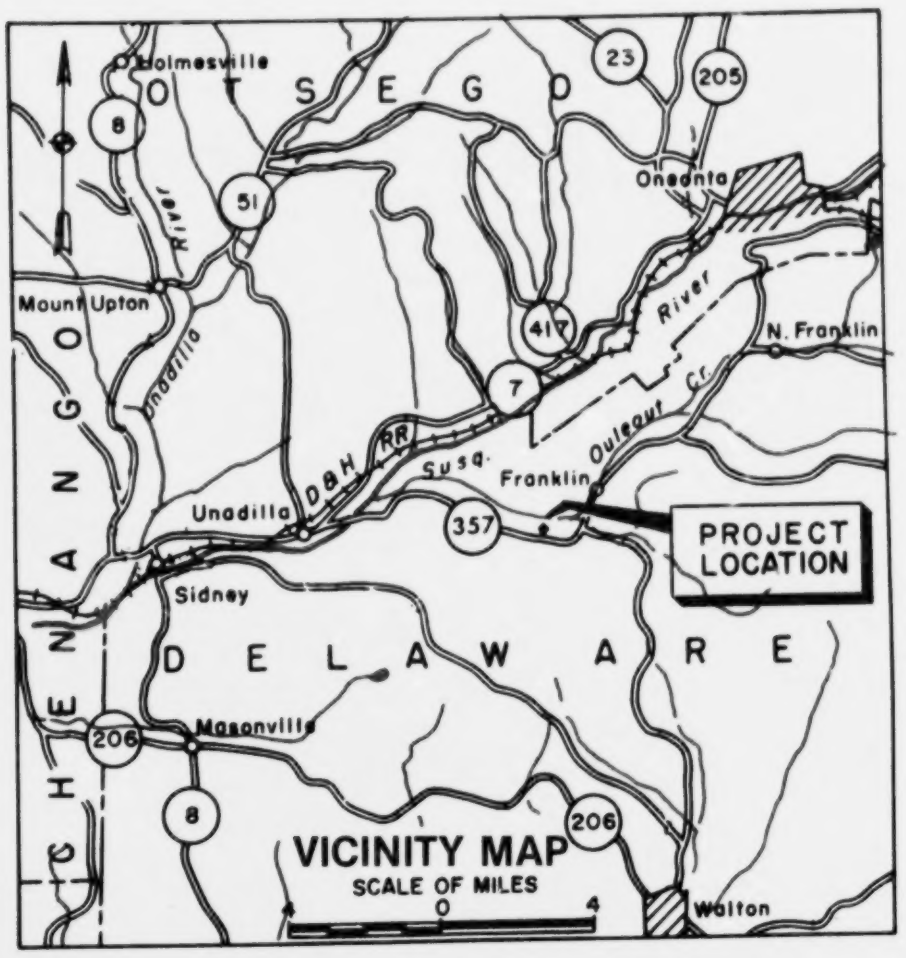
Lake

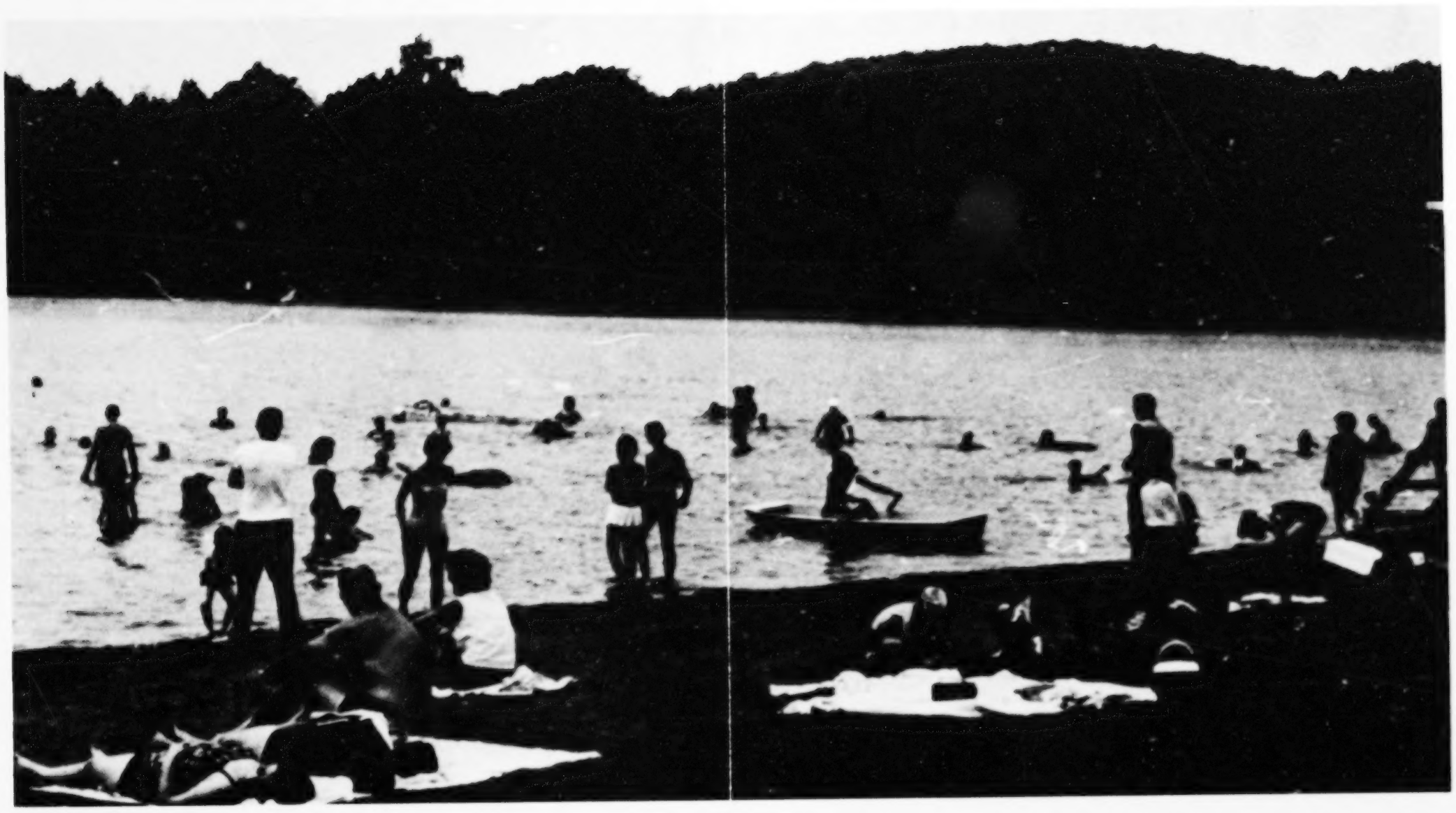
The level of the summer lake is maintained at 1,150 feet above sea level, with a surface area of 210 acres and a length of 2.5 miles. During a major flood, the lake at spillway crest would have a surface area of 1,100 acres and a length of 5.5 miles.

Location

East Sidney Dam is located on Ouleout Creek in Delaware County, New York. The dam is approximately 4 highway miles downstream from the village of Franklin and 6 miles upstream from Unadilla. Highway distances from other points are:

Albany, New York	94 miles
Binghamton, New York	50 miles
Oneonta, New York	16 miles
Schenectady, New York	84 miles
Scranton, Pennsylvania	92 miles





Recreation

Recreation facilities at East Sidney Lake are provided by the town of Sidney in cooperation with the Corps of Enginners. The facilities are centered around the summer lake with its 6 miles of natural scenic shoreline. A bathing beach, picnic and camping areas, and boat-launching and docking facilities are available. During the drawdown of the summer lake, in the fall of the year, the increased flow in the creek immediately below the dam provides sufficient depth and velocity for white water canoeing.